

CLAIMS

1. A method of providing an arbitrary sound as an RBT (RingBack Tone) without a progress tone in a communication network, comprising:

5 a first step, conducted by an HLR (Home Location Register), of furnishing an exchanger, when a terminal is registered to the exchanger, with first information on whether a common RBT is to be replaced or not for the terminal and second information informing a route to a sound providing
10 means;

a second step, conducted by the call-terminating exchanger, of starting paging of the terminal if the terminal is called and requesting a trunk connection to the sound providing means based on the first and the second information
15 without waiting acknowledgement of the paging from the terminal while furnishing with called-identifying information; and

a third step, conducted by the sound providing means, of determining an RBT-replacing sound based on the called-
20 identifying information, and providing the determined RBT-replacing sound for a caller through the call-terminating exchanger the trunk connection is made to.

2. The method of claim 1, wherein, at the second step, the terminating exchanger does not provide a progress tone for
25 the caller during the paging.

3. The method of claim 1, wherein the call-terminating exchanger requests release of the trunk connection made to the sound providing means when the call is answered by the called, and wherein the sound providing means releases the trunk
30 connection in response to the release request.

4. The method of claim 1, wherein the sound providing

means determines the RBT-replacing sound specified for the called through communication with a storager controller operating based on internet protocol.

5 5. The method of claim 1, wherein the first information indicates whether an RBT is to be replaced or not and is set based on specific key information received from the called.

6. The method of claim 1, wherein the first and the second information are included in a response message to a location registration request message, the response message
10 being sent from the HLR to the call-terminating exchanger.

7. The method of claim 6, wherein the first information is written in a reserve field allocated in value-added service parameters of subscriber's profile.

8. The method of claim 1, wherein a signal requesting
15 the call connection to the called includes terminal identifying information of the called and the caller.

9. The method of claim 8, wherein the terminal identifying information of the called and the caller is subscriber telephone numbers of the called and the caller,
20 respectively.

10. The method of claim 4, wherein the storager controller changes a sound code of an RBT-replacing sound specified for the called with another code through communication with a web server operating based on internet
25 protocol.

11. The method of claim 10, wherein said another code is a code related with already stored RBT-replacing sound in the sound providing means or is a newly-assigned code for newly stored sound after received from the web server.

30 12. The method of claim 11, wherein, after being connected to the sound providing means and the storager controller, the web server changes the RBT-replacing sound based on subscriber identifying information entered through an

input web page.